

ASAM – Latest News

Dr. Klaus Estenfeld,
Managing Director ASAM

ASAM - Introduction

Compliance Statement

For almost 20 years, ASAM e.V. (Association for Standardization of Automation and Measuring Systems) is actively promoting [standardization within the Automotive Industry](#). Together with its more than 200 members worldwide, the association develops standards that define [interfaces and data models for tools used for the development and testing of electronic control units \(ECUs\)](#) and for the [validation of the whole vehicle](#).

ASAM standards are [recommendations](#), they do not have an impact on regulatory framework.

From the beginning, ASAM has requested and encouraged an open exchange among all [stakeholders: manufacturers, suppliers, tool vendors and research institutes](#). Following this ASAM policy, technical experts from ASAM member companies worldwide commonly [develop new standards in project groups](#). The developed standards are [accessible for all interested companies](#) and serve as basis for the development of tools and ECUs within the respective companies worldwide. Tools and products developed based on ASAM standards allow [easy integration](#) into existing value chains and [seamless data exchange](#).

ASAM project groups [do not define products or take any business decisions](#) preventing competition.

Marc Blatter
Chairman of the Board of Directors

Dr. Klaus Estenfeld
Managing Director

<https://www.asam.net/home/about-asam/compliance.html>

Organizational Development

Some Highlights

ASAM Actively Drives its Evolution – Inside and Outside

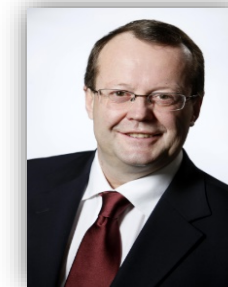
- Services for ASAM members worldwide
New ASAM Website, Solutions Guide 2017, International Conference 2017, ...
- New Standards related Activities
First “real” international activities, first local Concept Project outside Europe,
new domain “Simulation”, ...
- A Recognized Partner in the Standardization Community
Liaison Agreement with ISO, MoU with SAE, AUTOSAR Attendee, ...
- Next Steps towards Internationalization
Re-vitalization of North American Activities, Entry in China,
- Increasing Interest I ASAM standards from Non-Automotive Industries
Aeronautics, aerospace, heating systems, ...



Board of Directors

Voluntary Representatives from International OEMs, Tier-1 Suppliers and Tool Vendors

- Marc Blatter (Chairman)
Daimler AG
- Dr. Ralf Nörenberg
HighQSoft GmbH
- Prof. Dr. Marcus Rieker
HORIBA Europe GmbH
- Armin Rupalla
RA Consulting GmbH
- Richard Vreeland
Cummins Inc.



Technical Steering Committee (TSC)

A Highly Experienced International Team of Experts from Automotive Industry

- **AVL LIST GmbH**

Dr. Gerald Sammer



- **BMW AG**

Michael Schwarzbach



- **Continental AG**

Helmut Wellenhofer



- **dSPACE GmbH**

Dr. Hans-Joachim Rabe



- **emotive GmbH**

Dr. Jörg Supke



- **ETAS GmbH**

Killian Schnellbacher



- **National Instruments Corp.**

Stefan Romainczyk (Speaker)



- **Softing GmbH**

Markus Steffelbauer



- **Siemens Industry Software GmbH**

Oliver Philipp



- **Vector Informatik GmbH**

Dr. Christoph Dallmayr



ASAM Membership

More Than 220 Member Organizations Develop and Apply ASAM Standards

OEMs



Tier-1 Suppliers



Tool Vendors / Service Providers



Universities / Research Institutes



Status October 1, 2018

North American ASAM Members

Currently 23 Members – And more to Come

- **OEMs**



- **Tier-1 Suppliers**



- **Tool Vendors / Service Providers**



James Malik



VECTORZERO



- **Academia**



Status October 1, 2018

Internationalization

North American Region to be further developed

First steps to revitalize the ASAM community in the US have been taken

- **ASAM Regional Meeting:** A successful event that provided opportunity to network and stay informed
- **ASAM Board of Directors:** Richard Vreeland (member of the board) is representing interests of US membership within ASAM



ASAM has entered into a cooperation agreement with SAE (Press Release)

- Target: **Coordinated and consolidated development of standards**; Avoiding redundancies of standards
- Taking **advantage of geographical strengths** of SAE and ASAM to push standards globally
- First project proposal currently under discussion: **ASAM/SAE J1939-91B/C**

Standardization initiatives by US members

- “Telematics” was an US **ideation initiative** for standardization within ASAM. Several working group meetings took place in 2016 and 2017.
- A **whitepaper (“Telematics Concept Project”)** has been published
- Due to similar standardization efforts in other organizations, the project **has been closed**.
- However, **other activities within the Telematics** scope are foreseen (via ASAM/SAE cooperation)

Internationalization

Revitalize the US Activities – Task Force USA

Business Development by Increasing technical competence locally

Increasing technical competence locally:

- To serve as a first source of ASAM knowledge
- To create a platform for ASAM interested companies/universities
- To increase the number of participants in work groups...

Cooperation with selected US based Universities with a clear focus on

- Automotive domains such as autonomous driving, testing and engineering
- Network of national and international partners
- Customer related / funding projects
- Lectures on ASAM standards for students before they become young professionals

Discussions with Ohio State University (Prof. G. Rizzoni Ford Motor Company Chair, Mechanical & Aerospace) and with UC-Riverside (Prof. M. Barth, Yeager Families Chair, Center of Environmental Research and Technology)

- **Target:** Identify possible ASAM cooperation partners (East coast, central US and West coast)



Standardization Activities

ASAM Standards Portfolio

A New Domain to Come in 2018

Data Management & Analysis

CEA ODS

Measurement & Calibration

CDF CPX MCD-1 CCP / XCP

MCD-1 POD MCD-2 MC MDF

MCD-2 CERP

Test Automation

ACI ASAP 3 ATX GDI

MCD-3 D MCD-3 MC XIL

Diagnostics

MCD-2 D MCD-3 D

OTX Extensions

Software Development

CC FSX ISSUE LXF

MBFS MDX

ECU Networks

MCD-2 NET



Simulation

Open* standards

Release and Project Roadmap for 2018



Release and Project Roadmap for 2019

A First Standard Developed in Japan (a.o.)

2019



Release

- ASAM ODS 6.1.0
- ASAM MDF 4.2.0
- ASAM ASAP3 3.0.0
- ASAM iLinkRT 2.0.0
- ASAM OTX-Extensions 2.0.1

Release

- ASAM XIL 2.2.0

Release

- ASAM HMS 1.0.0
- ASAM OTX-Extensions 2.0.2

Projects Currently in Acquisition:

- OpenDRIVE
- OpenCRG
- OpenSCENARIO
- OSI
- SCDL
- Diagnostics for HPC



Planned Releases in 2020

- ASAM iLinkRT 3.0.0

More Details About Projects in Acquisition

Possibly a Further Domain for ASAM

- **ASAM OpenDRIVE, OpenCRG, OpenSCENARIO**
 - Purpose: Data models for the definition of the static and dynamic content for drive simulator models.
 - Contracts for IP-transfer to ASAM are signed or in the process to be signed.
 - Workshops underway for planning the next standard development projects.
 - Will also include projects for development of reference visualization and checker tools.
- **ASAM OSI (Open Simulator Interface)**
 - Purpose: Definition of a sensor data model ('ground truth') and recognized objects model for drive simulators.
 - Project of BMW and the Technical University of Munich.
 - Shall be transferred to ASAM and become new standard in 2019.
 - Will include a new method for standard development via collaborative software development.
- **SCDL (Safety Concept Description Language)**
 - Public specification for the description of the safety architecture of safety-critical systems.
 - Is one building block to meet ISO 26262 certification.
 - Created by a Japanese work group consisting of 4 OEMs and 23 other companies.
 - Potential transfer to ASAM.

A New ASAM Domain for Highly Automated Driving

Transfer of OpenDRIVE® to ASAM

Contract Signed at DSC 2018, Juan les Pins



Open
Dynamic
Road
Information for
Vehicle
Environment

First Steps – Activities Scheduled

More Details will Follow

OpenDRIVE/OpenCRG

- [28.09.2018](#) 9:00 a.m. – 17:00 p.m. **Open* Standards Training for Japanese Organizations** Tokyo
- [09.+10.10.2018](#) 10:00 a.m. – 17:00 p.m. **Kick-Off Workshop ASAM OpenDRIVE (incl. ASAM OpenCRG)** Höhenkirchen

OpenSCENARIO

- [17.09.2018](#) 10:00 a.m. – 17:00 p.m. **Use Case and Requirements Workshop** Höhenkirchen
- [13.11.2018](#) 10:00 a.m. – 17:00 p.m. **Kick-Off Workshop ASAM OpenSCENARIO** Kaiserslautern

Status: as of today

ASAM Website www.asam.net

Comprehensive Information about ASAM – Accessible for Everybody

Please, register here for further information on Open* Standards

ASAM Association for Standardization of Automation and Measuring Systems

Contact **Newsletter** News & Media Login Get login

About ASAM Standards Ideation Active Projects Conferences & Events Application Stories Members

ASAM International Conference: Autonomous Driving

"Autonomous Driving - Big Testing and Big Data as the Next Challenge"

Meet us at the ASAM International Conference on Dec. 06/07, 2017 in Dresden, Germany to discuss chances and requirements of autonomous driving and their challenges in development and testing.

[LEARN MORE](#)

We do Standards

ASAM is a standardization organization where experts from OEMs, Tier-1s, tool vendors, engineering service providers, and research institutes meet to commonly standardize connections between devices and software applications for a seamless data exchange.

[LEARN MORE](#)

Current Activities

See the standardization projects that are currently being carried out under the roof of ASAM. The latest projects are:

- ASAM ODS
- ASAM OTX Extensions
- HEX File Management

ASAM Standards

- MEASUREMENT & CALIBRATION
- DIAGNOSTICS
- ECU NETWORKS
- SOFTWARE DEVELOPMENT
- TEST AUTOMATION
- DATA MANAGEMENT & ANALYSIS

MEASUREMENT & CALIBRATION

Standards for working with ECU variables and parameters. This includes read-write access to the data in ECU memory, meta-description of the data, storing the data in files and describing the calibration process.

STANDARDS IN THIS CATEGORY

CDF CPX MCD-1 CCP MCD-1 POD MCD-1 XCP MCD-2 CERP MCD-2 MC MDF

LATEST NEWS & PRESS RELEASES

- JUL 28 2017** ORGANIZATIONAL NEWS
ASAM Compliance Statement
- JUL 25 2017** ORGANIZATIONAL NEWS
ASAM Creates Hub to Capture New Ideas
- DEC 19 2016** ORGANIZATIONAL NEWS
ASAM 2016: Looking Back on a Successful Year

[MORE NEWS](#)

MEETINGS & EVENTS

- OCT 26 2017** ASAM Regional Meeting North...
Diamond Banquet and Conference Center
- DEC 06 - 07 2017** ASAM TECHNICAL SEMINAR
ASAM International Conference
International Congress Center, Dresden

[More Events](#)



PAST EVENTS

General Assemblies, Technical Seminar...
The proceedings are available under the link below.

[PAST EVENTS](#)



ASAM Solutions Guide

A comprehensive guide to ASAM standards, members, ASAM compliant products and application stories.

[DOWNLOAD](#)



Application Stories

Read about the best practice examples from our membership and learn how they benefit of ASAM standards.

[APPLICATION STORIES](#)

Services for ASAM Members Worldwide

Information, Ideation, Conferences, ...

ASAM International Conference 2017

Dresden, December 6 - 7, 2017

“Autonomous Driving – Big Testing and Big Data as the Next Challenge”

In Cooperation with the Saxon State Ministry of Economic Affairs, Labor and Transport

- High interest - More than 220 participants!
- 31 presentations – Local and international
- Two presentations from USA
- 27 exhibitors



ASAM Credit Vouchers

Keep it Simple!

ASAM, 17.07.2018

ASAM Credit Vouchers – A Simplified Concept

General: Credit Vouchers will be issued retroactively for active contributions of ASAM members during the last calendar year. They will be deducted directly at the yearly invoice of the membership fee at the beginning of the actual year (only one invoice to the member).

ASAM members of the membership classes AE, BE, CE, D, E, F, and G can earn credit vouchers for active contribution in the following **cases**:

- For participation in at least one standards development project which was released within the last calendar year.
- For TSC membership
- For BoD membership

Reduction by Credit Vouchers:

Credit vouchers will reduce the respective membership fees as follows:

For active contribution in one of the above cases, a credit voucher of 2.500 € will be issued.

For active contribution in more than one of the above cases, a credit voucher of 5.000 € will be issued.

For the membership classes F and G, credit vouchers are capped in the amount of half of the respective membership fees (i.e. for class F: 2.600 €, and for class G: 650 €).

Validity:

Credit vouchers (if applicable) will be issued to ASAM members worldwide.

ASAM Office

“At Your Disposal” – At any Time

Staff



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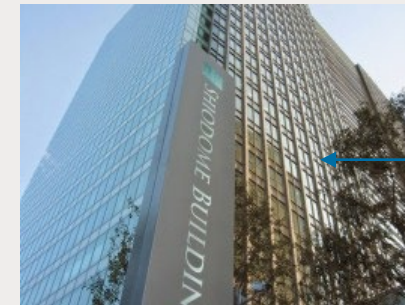
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Location

Höhenkirchen,
near Munich/Germany



Location



Tokyo,
near Shimbashi
Station

Thank you!

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For more information
on ASAM visit

www.asam.net